

CLIMATOLOGICAL DATA FOR OCTOBER, 1911.

DISTRICT No. 7, LOWER MISSISSIPPI VALLEY.

ISAAC M. CLINE, District Editor.

GENERAL SUMMARY.

Unseasonably warm weather prevailed throughout the district during the first 15 days, but from the 16th to the close of the month temperature conditions were moderate, except that a cool wave overspread the district from the 21st to 23d, giving temperatures below freezing as far south as north-central Louisiana. Precipitation was generally in the form of rain, except in the northwestern portion, where there was some snow.

TEMPERATURE.

Mean temperatures were above the normal generally over the eastern and southern and below over the northwestern portion of the district. The greatest excess in mean temperature, 5° , occurred in southern Louisiana, and the greatest deficiency, 3.1° , in the mountainous portions of the Colorado area. The warmest weather occurred generally on the 1st or 2d, except in the Kansas and New Mexico areas, where the highest temperatures occurred on the 14th. Maximum temperatures were above 90° in all parts of the district, and above 100° in the southeastern portion. The highest temperature recorded was 103° at Liberty Hill, La. The lowest temperatures occurred generally from the 21st to 23d. Monthly minimum temperatures were generally below 30° over the western portion of the district, and below 40° over the remainder, except that the lowest readings in southern Louisiana ranged generally from 40° to 50° . The lowest temperature recorded was -10° at Westcliffe, Colo.

Monthly mean temperatures and departures from the normal for the various States and parts of States are reported as follows: Colorado area, 44.3° , -3.0° ; New Mexico area, 51.5° , -1.6° ; Texas area, 60.8° , $+3.0^{\circ}$; Kansas area, 56.5° , -1.2° ; Oklahoma, 62.1° , $+0.5^{\circ}$; Missouri area, 59.0° , $+0.5^{\circ}$; Tennessee area, 62.6° , $+2.6^{\circ}$; Arkansas, 62.7° , $+0.6^{\circ}$; Mississippi area, 67.0° , $+3.4^{\circ}$; Louisiana, 70.0° , $+2.6^{\circ}$.

PRECIPITATION BY DRAINAGE AREAS.

Arkansas River and tributaries.—Heavy precipitation occurred in some localities over the upper portion of this drainage area, but generally the amounts were light. Over the headwaters of the Arkansas River in Colorado, the average from 33 stations was 2.05 inches, about 0.6 inch above the normal. Very little precipitation occurred over those portions of the Arkansas Valley proper that lie in Kansas and Oklahoma, where the amounts from 45 stations averaged 1.41 inches, about 1 inch below the normal. The precipitation was unevenly distributed in the Cimarron Valley, where the amounts from 22 stations averaged 1.74 inches, about the normal amount. Over that portion of the Canadian Valley that lies in New Mexico the precipitation from 39 stations averaged 2.22 inches, about 1.1 inches above the normal, while over the

stretches of this valley that lie in Texas and Oklahoma the average from 27 stations was 1.50 inches, about 0.8 inch below the normal. Over the Verdigris Valley the precipitation from 10 stations averaged 0.89 inch, about 1.8 inches below the normal. The average from 18 stations in the Neosho Valley was 1.59 inches, about 1 inch below the normal. Below the Oklahoma-Arkansas line the precipitation from 14 stations in the Arkansas Valley averaged 1.67 inches, about 0.9 inch below the normal.

Red River and tributaries.—The precipitation was generally light over this drainage area. Over those portions of the Red River Valley that lie in New Mexico, Texas, and Oklahoma the average from 42 stations was 1.58 inches, about 0.7 inch below the normal. Below the Texas-Arkansas line the precipitation from 18 stations averaged 1.82 inches, about 0.9 inch below the normal.

Mississippi River south of St. Louis and small tributaries.—Except in scattered localities the precipitation was light throughout this drainage area. In the immediate Mississippi Valley the amounts from 42 stations averaged 1.77 inches, about 0.8 inch below the normal. There was a slight excess in precipitation over the Valley of the Meramec. The average from 22 stations in the White River Valley was 2.14 inches, about 0.1 inch below the normal. Over the Yazoo Valley the average from 27 stations was 1.80 inches, about 0.2 inch above the normal. The average precipitation over the valley of the Big Black was only 0.87 inch, about 1.5 inches below the normal amount. The precipitation from 20 stations in the Ouachita Valley was 1.45 inches, about 0.8 inch below the normal.

Louisiana coastal plain.—The precipitation was unevenly distributed over this drainage area, being heavy in several localities and light in others. The average from 34 stations was 4.19 inches, about 1.3 inches above the normal.

Monthly precipitation and departures from the normal for the various States and parts of States (in inches) are reported as follows: Colorado area, 1.98, $+0.56$; New Mexico area, 2.16, $+0.99$; Texas area, 1.65, -0.52 ; Kansas area, 1.18, -1.10 ; Oklahoma, 1.71, -0.82 ; Missouri area, 2.36, -0.36 ; Tennessee area, 1.60, -0.97 ; Arkansas, 1.67, -0.84 ; Mississippi area, 1.68, -0.40 ; Louisiana, 3.29, $+0.69$.

SNOWFALL.

There was considerable snowfall over the Colorado, New Mexico, and Kansas areas, and in the Texas Panhandle and extreme western Oklahoma, the amounts ranging from a trace on the plains to 30 to 40 inches in the elevated mountain sections. In the Colorado area snow occurred during the latter part of the month, the amounts being moderately heavy on the 20th and 27th. The greatest monthly amount was 47 inches at Hermit Lake. In the New Mexico area heavy snow occurred over the higher mountains from the 19th to 21st and 26th to 29th. Over the lower levels it melted rapidly, and the ground

was generally bare at the close of the month, but owing to the receptive condition of the soil the water was mostly absorbed. In the protected gulches and timber of the higher mountains, however, snow on the ground at the close of the month ranged from 1 to 4 feet. In Oklahoma and the Texas and Kansas areas, where in some places the snowfall was quite heavy, one station in Oklahoma reported 20 inches, it disappeared rapidly, and the ground was bare at the close of the month. The average snowfall, in inches, for the various States and parts of States, derived from the records of such stations as reported snow, is as follows: Colorado area, 34 stations, 12.2; New Mexico area, 45 stations, 7.0; Texas area, 12 stations, 4.0; Kansas area, 51 stations, 0.2; Oklahoma, 7 stations, 4.7; Missouri area, 9 stations, 1.0; Arkansas, 2 stations, trace.

RIVERS.

Low stages prevailed in the Arkansas River throughout the month. There were no floods in Oklahoma, and nearly all streams were at low stages. Navigation on the lower Arkansas was practically suspended.

The White River fell steadily throughout the month, the lowest stages occurring on the 31st.

Changes in the stages of the Red River were slight, and low stages prevailed generally.

No material changes occurred in the Ouachita River, and the stages ranged generally between 3 and 4 feet.

Below St. Louis there was a slight rise in the Mississippi River which passed into the Gulf of Mexico on the 21st, after which changes were slight.

NOTES.

Oklahoma (J. Pemberton Slaughter, section director).—The weather was favorable for cotton. A large acreage of wheat has been seeded, the soil being generally in fair condition, but over a large portion of the State there is not the usual amount of moisture in the soil.

Missouri (George Reeder, section director).—The weather, on the whole, was favorable for outdoor occupations. Pastures are in good condition; apples are coloring nicely, and picking is progressing satisfactorily.

TABLE 1.—Climatological data for October, 1911. District No. 7, Lower Mississippi Valley.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.							Sky.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelting.	Number of rainy days, 0.01 inch or more.	Number of partly cloudy days.	Number of clear days.				
<i>Colorado.</i>																					
Buena Vista.....	Chaffee.....	7,955	11	37.0	-5.6	61	2	1	21	43	1.35	+0.66	0.50	13.0	4	21	1	9	sw.	C. A. Short.	
Calhan.....	El Paso.....	6,700	4																	H. B. Rice.	
Canon City.....	Fremont.....	5,343	23	49.5	-4.0	81	2†	20	21†	44	1.68	+0.90	0.54	10.5	8	22	5	4	n.	U. S. Weather Bureau.	
Colorado Springs.....	El Paso.....	6,098	31	44.1	-4.3	74	1†	11	21	39	0.86	+0.20	0.42	4.0	6	17	8	6	se.	Colorado College.	
Cripple Creek.....	Teller.....	9,396	10									-0.13	0.35	4.0	3					F. G. Willis.	
Cuchara Camp.....	Huerfano.....	8,200	2																George A. Myers.		
Eads.....	Kiowa.....	4,209	4																W. H. Lauck.		
Fairview.....	Custer.....	9,500	2																Elizabeth L. Gray.		
Fremont Exp. Sta.....	El Paso.....	8,850	1	37.6		68	14	1	20	39	1.45			14.9	9	21	4	6	w.	U. S. Forest Service.	
Garfield.....	Chaffee.....	9,510	1																Lloyd N. Felton.		
Hamps.....	Elbert.....	5,400	18	44.8	-2.5	81	10	2	21	51	1.55	+0.98	0.60	5.0	5	16	4	11	n.	W. Hamp.	
Hermit Lake.....	Custer.....	10,000	1																John E. Graham.		
Hoehne (near).....	Las Animas.....	5,700	19	49.5	-2.5	88	14	10	21	52	1.41	+0.42	0.76	6.0	5	21	4	6	w.	S. W. DeBusk.	
Holly.....	Prowers.....	3,380	16	52.8	-3.8	93	14	25	27†	53	0.82	+0.26	0.30	3.0	5	19	6	6	se.	Holly Sugar Co.	
La Junta.....	Otero.....	4,052																	Fred B. Mason.		
Lake Moraine.....	El Paso.....	10,265	17	35.8	-1.7	66	1	-1	21	35	1.91	+0.16	1.03	20.2	5	15	6	10	sw.	Clyde C. McReynolds.	
Lamar.....	Prowers.....	3,592	21																J. T. Lawless.		
Las Animas.....	Bent.....	3,899	43	51.44	-1.7	93d	2	16d	20	53d	1.51	+0.79	0.58	4	18	5	8		F. M. Tague.		
Le Veta Pass.....	Costilla.....	9,000	1																Clara M. Wright.		
Leadville.....	Lake.....	10,248	15	34.2	-3.1	64	9	0	20	37	2.24	+1.35	0.52	12.6	9	15	10	6	n.	U. S. Weather Bureau.	
Limon (near).....	Elbert.....	5,360	4	45.4		84	14	6	21	48	1.06			3.0	4	19	6	6	s.	F. L. Palmer.	
Madrid.....	Las Animas.....	1																	Thos. Sawers.		
Marshall Pass.....	Saguache.....	10,846	8																W. L. Williams.		
Monument.....	El Paso.....	7,200		41.7		74	1	4	21	47	0.54			4.0	5	17	8	6	w.	U. S. Forest Service.	
North Lake.....	Las Animas.....	8,700	19																James W. Ingmire.		
Pueblo.....	Pueblo.....	4,734	23	49.4	-4.9	80	14	19	21	50	1.09	+0.39	0.36	4.7	7	16	9	6	nw.	U. S. Weather Bureau.	
Rocky Ford (near).....	Otero.....	4,177	22																P. K. Blinn.		
St. Elmo.....	Chaffee.....	9,500	2																Daniel Clark.		
Salida.....	do.....	7,035	12	43.4	-3.6	74	14†	6	21	48	1.49	+0.39	0.35	5.0	7	23	3	5	w.	M. D. L. Buell.	
Santa Clara.....	Huerfano.....	8,252	16	43.1	-1.5	77	2	1	21	40									Lincoln G. Morris.		
Sheridan Lake.....	Kiowa.....	4,065	9																Howard Gamble.		
Stonewall.....	Las Animas.....	8,000	5																G. A. Storz.		
Trinidad.....	do.....	5,994	15																Walter Dearden.		
Two Buttes.....	Baca.....	4,100		53.5		92	2	20	28	53	0.66			6.0	4	17	8	6	nw.	N. G. Jones.	
Victor.....	Teller.....	10,100	7	41.6		63	11	10	21	34	1.44			0.30	4	17	8	6	e.	Fred Jones.	
Vilas.....	Baca.....	3,935	20																Carron Konkel.		
Wayne.....	El Paso.....	11,250	10																J. C. Goff.		
Westcliffe.....	Custer.....	7,854	17	41.4	-2.4	73	2	-10	21	46	1.98	+0.74	0.80	17.0	8	13	7	7	nw.	Zack Jordan.	
Winfield.....	Chaffee.....	9,765	1																John G. Payne.		
Woodman Sanatorium.....	El Paso.....	11,250	10	45.4		77	1	11	21	40	0.77			0.35	7.0	5	19	7	5	nw.	Dr. J. E. White.
Wortman.....	Lake.....	11,250	10																George C. Wortman.		
<i>New Mexico.</i>																					
Abbott.....	Mora.....	5,771	2			86	2	21	21	52	1.68			0.54	10.0	6	21	3	7	s.	Agent E. P. & S. W. R. R.
Albert.....	Union.....	4,700	20	58.0	0.0	91	2	27	27†	43	0.56	-0.36	0.58	T.	2		6	16	w.	Andrew Knell.	
Aurora.....	Colfax.....	8,849	2																Juanita Lucero.		
Bell Ranch.....	San Miguel.....	4,500	12	55.2		89	1†	26	22	50	1.18	+0.36	0.36	3.25	15.0	10	6	9	sw.	C. M. O'Donel.	
Black Lake.....	Colfax.....	8,348	2																Ralph T. Martinez.		
Cabeza.....	San Miguel.....	5,406	2																Agent E. P. & S. W. R. R.		
Campana.....	do.....	4,493	2																Do.		
Chacon.....	Mora.....	9,000	2																Alfred Lucero.		
Cimarron (near).....	Colfax.....	6,385	7	48.0		81	2	14	21	45	2.96			4.88	11.0	4	13	5	w.	William French.	
Clayton.....	Union.....	5,178	6																Dr. W. W. Chilton.		
Clovis.....	Curry.....	4,129	1	58.2		92	1†	26	20	49	1.01			0.57	3.0	2	24	0	7	ne.	J. H. Barry.
Cuervo.....	Guadalupe.....	4,849	2	56.2		88	2	27	22	36	1.11			0.35	0	4	20	7	4	sw.	Agent E. P. & S. W. R. R.
Dawson.....	Colfax.....	6,396	2																Do.		
Elizabethtown.....	do.....	8,465	5	39.0		68	2	-10	21	47	4.21			1.76	16.0	7	20	2	9	sw.	Mabel Carrington.
Folsom.....	Union.....	6,399	11	47.9	-1.5	81	14	13	21	49	2.55	+1.34	0.79	16.9	6	22	6	3	sw.	David Rose.	
Fort Union.....	Mora.....	6,835	51	48.4	-4.1	80	2	16	21	51	2.68	+1.59	1.50	6.5	7	21	0	10	s.	M. C. Needham.	
Haydon.....	Union.....	4,444	2	54.8		90	2	22	28	42	3.70			1.60	13.0	6	18	6	7	sw.	J. B. Dickson.
Hoosier Ranch.....	Colfax.....	6,722	2																W. H. Guthman.		
Johnson's Park.....	Quay.....	5,000	1																A. J. Meloche, Jr.		
Kappus.....	Colfax.....	4,010	1																Anthony Kappus.		
Lake Alice.....	Colfax.....	7,160	2																John Campbell.		
Logan.....	Quay.....	3,851	5	57.0		91	2	27	22	47	1.81			0.68	20.0	6	23	4	4	sw.	John B. Reneau.
Los Alamos.....	San Miguel.....	6,789	6																Antonio Pacheco.		
Lykins (near).....	Roosevelt.....	5,000	1																J. G. Buchanan.		
Maxwell (near).....	Colfax.....	5,894	4																Dan N. Jackson.		
Melrose.....	Curry.....	4,400	3																Dr. E. M. Porter.		
Miami Ranch.....	Colfax.....	6,000	3	48.4		81	2†	15	21	47	2.99			0.43	5.0	4			Farmers Development Co.		
Mills.....	Mora.....	4,335	2																J. E. LaRue.		
Montoya.....	Quay.....	4,200	1																Agent E. P. & S. W. R. R.		
Mount Dora (near).....	Union.....	5,600	1	49.6b		83*	2	21b	28	48*	1.57			0.50	5.0	4	17	5	9	sw.	Edward F. Grygia.
Nara Visa.....	Quay.....	4,225	5	56.2		90	2	25	27†	40	1.49			0.45	3.0	6	17	7	7	sw.	George Bingle.
Ocate.....	Mora.....	7,500	2																Mrs. John R. Strong.		
Optimo.....	do.....	6,400																	R. K. Odell.		
Palo Verde.....	Union.....	5,880	2																G. R. Abernathy.		
Pasemonte.....	Mora.....	2																	J. J. Herina.		
Pleasant View.....	Mora																				

TABLE I.—Climatological data for October, 1911. District No. 7—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.				Precipitation, in inches.				Sky.				Prevailing wind direction.	Observers.				
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
Texas.																					
Amarillo.	Potter.	3,676	19	57.1	+ 1.0	91	1	26	28	45	0.84	- 0.87	0.34	3.1	6	18	8	5	s.	U. S. Weather Bureau.	
Archer City.	Archer.	1									0.35	- 0.21	0	3	23	3	5	s.	Charles H. Thuman.		
Arthur City.	Lamar.	590	19								3.00	- 0.01	2.00	0	5	11	6	14	n.	V. V. Bright.	
Bonham.	Fannin.	566	8	67.4		98	4	34	22	41	1.43		0.68	0	4	18	5	8	s.	H. M. Norman.	
Canadian.	Hemphill.	2,339	4	60.4		94	1†	30	27†	40	0.67		0.28	1.4	5	15	12	5	4	sw.	Canadian Academy.
Childress.	Childress.	1,869	18								1.40	- 0.25	1.00	T.	2	23	5	3	n.	W. E. Davis.	
Chillicothe.	Hardeman.	1,406	3								0.81		0.41	0	2	2	23	4	4	se.	A. B. Connor.
Clarendon.	Donley.	2,719	6	60.4	0.0	95	3	30	28	50	3.03		0.77	3.0	7	23	4	4	se.	Whitfield Carhart.	
Clarksville.	Red River.	442	11	66.4*		97	9	34	22		1.57		0.57	7.0	8	20	5	6	sw.	Ft. Worth & Denver City Ry.	
Claude.	Armstrong.	3,397	6			92	2	24	25	45	1.78		1.58	0.84	0	5	10	10	11	n.	E. L. Kennard.
Dalhart.	Dallam.	3,998	6	53.6							2.09		1.22	0	2	12	0	19	s.	E. B. Wilson.	
Denison.	Grayson.	11									1.75	- 0.66	1.75	0	1				Rev. P. A. Kaelin.		
Finley.	Bowie.	1									0.98		0.40	0	4	15	6	10	s.	S. J. Allen.	
Henrietta.	Clay.	915	19	65.0	- 0.3	97	3	36	22†	48	1.34	- 0.76	0.84	0	4	15	6	10	s.	B. E. Finley.	
Hereford.	Deaf Smith.	3,750									1.25		0.65	0	3	16	0	15	n.	J. Sid O'Keefe.	
Memphis.	Hall.	2,067	6	60.4		95	13	32	9†	56	2.36	+ 0.04	1.07	3.0	8	21	2	8	n.	Robert A. Miller.	
Miami.	Roberts.	2,743	5	59.9		93	1	30	22	45	1.03		0.39	3.0	6	23	2	6	n.	C. S. Solomon.	
Mobeetie.	Wheeler.	17									1.75	- 0.66	1.75	0	1				J. E. Kinney.		
Nazareth.	Castro.	5									0.98		0.40	0	5				Dr. W. J. Joss.		
Ochiltree.	Ochiltree.	3																Rev. P. A. Kaelin.			
Pampa.	Gray.	3,226	2								1.85		0.80	0	3				J. S. Allen.		
Panhandle.	Carson.	3,450																B. E. Finley.			
Paris.	Lamar.	592	22	65.6	- 0.1	97	4	33	22†	44	2.36	+ 0.04	1.07	0	6	12	4	15	n.	J. Sid O'Keefe.	
Plemons.	Hutchinson.	4	57.0			98	2	26	28	48	1.92		0.81	3.0	8	21	2	8	n.	Robert A. Miller.	
Quanah.	Hardeman.	1,563	6	64.4		98	3	34	29	37	1.70		0.60	0	4	19	5	7	s.	C. S. Solomon.	
Ringo Crossing.	Hopkins.	1									3.28		1.59	0	3	11	0	20	sw.	William H. Crawford.	
Romero.	Hartley.	1	54.4			86	14	24	22	45	1.19		0.53	5.0	4	19	9	3	s.	H. J. Palmer.	
Sherman.	Grayson.	745	18	66.0	+ 0.7	94	1†	39	22	29	2.52	- 0.80	1.20	0	3	13	5	13	s.	R. S. Chamberlain.	
Stratford.	Dallam.	3,699	5	56.3		101	2	26	27†	48	1.43		0.52	5.0	5	16	6	9	n.	R. A. Gibbs.	
Sulphur Springs.	Hopkins.	530	17								1.25		0.70	5.5	3				John Neely.		
Texline.	Dallam.	4,694	6								3.24	+ 1.28	0.76	7.5	8	16	11	4	s.	Ft. Worth & Denver City Ry.	
Tulia.	Swisher.	3,501	13	57.8		95	14	25	20	48	0.43	- 1.59	0.30	0	3	21	5	5	n.	Lou Mulhall.	
Wichita Falls.	Wichita.	858	19								1.69		1.17	0	3	16	7	8	se.	R. A. Thompson.	
Winfield.	Titus.	1																J. C. Bostick.			
Kansas.																					
Alden.	Rice.	1,684	1								1.08		0.74	1.5	3	17	5	9	ne.	L. B. Wait.	
Anthony.	Harper.	1,329	14	59.6		95	1	29	22	45	0.96	- 1.31	0.40	T.	6	12	14	5	sw.	R. H. Beebe.	
Ashland.	Clark.	1,351	23	57.6	- 0.6	93	12	24	22	49	1.25	- 0.63	0.83	3.0	10	21	5	5	s.	C. W. Carson.	
Burlington.	Coffey.	1,010	18	56.8	- 1.7	90	1	28	21	38	0.74	- 1.68	0.34	T.	4	0	25	6	n.	O. E. Sanford.	
Chanute.	Neosho.	940	7	59.0		90	3	29	22	37	1.96		0.37	0	8	4	15	12	n.	C. W. Brown.	
Cimarron.	Gray.	2,700	55.2			92	14	22	22	47	0.82		0.66	5.0	5	17	3b	9b	w.	C. C. Isely.	
Coldwater.	Comanche.	2,090	14	57.5	- 0.5	93	14	28	22†	44	1.11	- 0.81	0.86	4.0	5	20	1	10	n.	J. L. Stanley.	
Columbus.	Cherokee.	898	21	58.5	- 0.4	88	1†	30	22	32	2.16	- 0.87	1.09	0	8	13	8	10	sw.	O. E. Skinner.	
Coolidge.	Hamilton.	3,348	14	51.5	- 1.7	91	14	22	22†	55	1.60	+ 0.61	2.0	5	17	6	8	nw.	W. R. Padley.		
Cottonwood Falls.	Chase.	1,234	7	57.0		90	14	27	22	42	0.99		0.54	1.5	5	11	7	12	s.	E. B. Greene.	
Council Grove.	Morris.	1,234	2	55.0		84	13	30	31	37	0.64		0.45	T.	4	9	11	11	n.	J. P. Blackledge.	
Cunningham.	Kingman.	1,680	27	59.0		92b	1†	27b	31	39	1.45	- 0.66	1.15	2.5	2	14	7	3a	n.	W. H. Morton.	
Dodge City.	Ford.	2,531	37	53.6	- 1.1	90	14	25	22	42	0.63	- 0.77	0.36	3.2	6	15	9	7	n.	U. S. Weather Bureau.	
Eldorado.	Butler.	1,291	9	58.0		89	2	29	22	38	2.77		1.85	0	6	11	5	5	s.	W. Y. Miller.	
Ellinwood.	Barton.	1,790	36	55.6	- 1.1	93	14	25	31	44	1.41	- 0.48	0.54	1.0	7	12	13	6	n.	Martin Musil.	
Emporia.	Lyon.	1,138	30	52.3	- 5.1	89	1	30	22†	38	1.18	- 1.53	0.73	1.0	4	11	7	13	n.	W. H. Boyles.	
Eureka.	Greenwood.	1,079	15	57.7		91	1	25	22	42	0.82	- 2.23	0.40	T.	3	13	12	6	s.	W. S. Moonlight.	
Fall River.	do.	925	15	59.2	+ 0.1	91	14	26	22	44	0.75	- 1.37	0.30	T.	6	19	7	5	s.	J. McDaniel.	
Fargo.	Seward.	1									0.71		0.44	T.	2	14	11	6	s.	N. B. Swink.	
Fredonia.	Wilson.	864	8	59.9		92	1	30	22	39	1.27		0.31	0	9	10	12	9	se.	B. W. Hofmes.	
Garden City.	Finney.	2,836	22	52.4	- 3.2	86	5	24	30	49	1.54	+ 0.46	0.70	4.0	5	18	1	12	n.	B. F. Stocks.	
Great Bend.	Barton.	1,850																I. Pritchard.			
Greensburg.	Kiowa.	2,235	4	56.4		91	14	26	31	47	1.58		1.10	6.0	4	23	0	8	nw.	C. C. Raymond.	
Granola.	Elk.	1,116	23	58.9	- 0.4	90	14	26	22	42	0.87	- 1.36	0.34	T.	7	17	7	7	n.	W. H. Lawyer.	
Hess.	Gray.	2,700	5	54.6		91	13	21	21	46	1.10		0.80	4.0	3	10	19	2	se.	Fred Mallonee.	
Howard.	Elk.	1,112	4								0.59		0.21	T.	4	12	4	15	n.	J. W. Eby.	
Hugoton.	Stevens.	7	54.4			97	14	19	22	56	1.21		0.60	5.5	5	14	7	10	s.	E. M. Anderson.	
Hutchinson.	Reno.	1,535	21	57.1	- 1.7	93	14	27	22	44	0.93	- 1.66	0.79	3.0	4	17	6	8	s.	E. S. Webster.	
Independence.	Montgomery.	800	37	61.0	+ 0.8	94	2	26	22	43	0.80	- 2.14	0.25	0	9	11	12	8	n.	F. L. Kenoyer.	
Iola.	Allen.	984	5	56.8	- 0.1	88	1	30	22	33	2.28	- 0.04	1.04	T.	9	6	14	11	ne.	U. S. Weather Bureau.	
Irene.	Hamilton.	3,440	1	51.2		93	14	22	31	55	0.97		0.30	2.5	5	16	6	9	ne.	N. M. Herbig.	
Jetmore.	Hodgeman.	2,268	10	54.4		92	14	23	31	50	0.58	- 0.94	0.30	1.0	4	10	14	7	ne.	James Alken.	
Kingman.	Kingman.	1,504	3	57.9		89	14	27	22	42	1.62		0.94	T.	5	18	7	6	n.	B. B. Anawalt.	
La Crosse.	Rush.	2,061	9	55.2		96	14	20	21	51	0.20		0.20	1.0	1	18	7	6	nw.	Rodney Torrey.	
Lakin.	Kearney.	2,993	21	50.6	- 4.4	87	14	21	27	49	1.21	+ 0.28	0.45	5.0	4	14	10	7	n.	C. H. Longstreth.	
Larned.	Pawnee.	2,090	26	55.7	</																

TABLE 1.—Climatological data for October, 1911. District No. 7—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.				Sky.			Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmodified.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>Oklahoma.</i>																			
Ada.	Pontotoc.	1,001	3	63.9		93	1†	34	22	35	1.84		0.50	0	6	21	5	s. sw.	
Alva.	Woods.	1,350	6	61.2		99	3	30	26†	45	1.35		0.63	0	5	18	2	n. ne.	
Apache.	Caddo.	1,255	2	63.0		96	1	30	22	44	1.44		0.66	0	5	24	4	s. s.	
Arapaho.	Custer.	1,575	17	62.7	+ 1.3	98	3†	26	22	50	2.18	+ 0.03	0.77	0	8	19	1	c. s.	
Arnett.	Carter.	872	10	64.7	+ 0.7	95	3†	35	22	38	1.10	- 2.25	0.38	0	5	20	3	H. T. Nisbett.	
Bartlesville.	Ellis.	2,136	7															C. H. Holmes.	
Beaver.	Washington.	687	3	61.8		97	2	30	22	41	0.28		0.19	0	2	16	10	s. Dr. A. P. Owens.	
Blackburn.	Beaver.	2,500	15	56.9	- 1.2	91	2	25	22	47	1.18	- 0.10	4.3	0	7	23	1	w. C. Frazer.	
Cache.	Pawnee.	800	10	63.0	+ 1.4	96	2	26	22	46	1.15	- 2.66	0.50	0	4	23	3	M. M. Rhodes.	
Calvin.	Comanche.	1,350	5	61.4		91		29			44°	1.69	0.64	0	4	23°	3°	Mrs. Frank Rush.	
Chandler.	Hughes.	713	6										0.64	0	6	19	0	Thomas Purell.	
Lincoln.	Lincoln.	865	10	61.4	- 0.3	94	1	31	22	41	2.54	- 0.34	1.32	0	6	16	3	Chas. L. Kern.	
Chattanooga.	Comanche.	1,150	5	64.9		97	4	31	22	47	0.63		0.33	0	3	20	8	Squire Humble.	
Chickasha.	Grady.	1,091	10															J. C. Good.	
Cloud Chief.	Washita.	1,400	9	64.3		97	3	31	22	44	1.25		0.83	0	3	20	7	s. J. P. Stutzman.	
Durant.	Bryan.	643	10	64.4	+ 1.1	99	4	33	22	42	2.03	- 1.96	0.65	0	7	17	5	Nelson Houk.	
Eldorado.	Jackson.	1,456	4	65.2		98		34			42*	1.13	0.61	0	3	19	9	T. W. Lanham.	
Elk City.	Beckham.					90	2					0.15		0.08	T.	3	16	R. J. Carlile.	
El Reno.	Canadian.	1,400	20	60.8	+ 0.2	95	1	31	22	45	1.90	- 0.76	1.25	0	3	24	4	Uri B. Worcester.	
Enid.	Garfield.	1,269	10	60.8		95							0.80	0	4	20	6	A. W. Hanes.	
Erie.	Beckham.	2,058	6	58.7		87	1	30	21	42	2.16		0.90	0	9	10	5	C. W. Prier.	
Fairland.	Ottawa.	839	11	61.4	- 0.2	93	2	31	22	37	2.70	- 0.32	1.05	0	7	16	3	John T. Welsh.	
Fort Gibson.	Muskogee.	556	6	55.4		97	1	34	22	41	1.11		0.93	0	4	21	7	B. B. Bradley.	
Frederick.	Tillman.	1,293	5	65.4		97							0.50	0	4	19	4	S. W. Black.	
Goodwell.	Texas.	3,300	1									0.38	2.7	8	19	4	S. E. Snyder.		
Guthrie.	Logan.	1,000	18	63.4	+ 0.4	97	1	28	22	44	2.58	- 0.13	2.00	0	3	22	0	A. L. Mordt.	
Guymon.	Texas.	3,133	2														T. Compton.		
Harrington.	Roger Mills.	2,200	7														John McHugh.		
Hartshorne.	Pittsburg.	700	12														C. H. Heald.		
Healdton.	Carter.	900	17	64.0	+ 0.6	95	4	28	22	47	0.61	- 2.19	0.26	0	4	19	10	R. E. Ellis.	
Helena.	Alfalfa.	1,396	3	61.0		96	1	28	22	38	0.58		0.30	0	4	15	10	Mrs. M. C. Parks.	
Hennessey.	Kingfisher.	1,166	16	62.2	- 1.0	99		32			41°	2.77	+ 0.33	2.25	0	5	24	3	Leland Turnbull.
Hobart.	Kiowa.	1,396	8	62.9		96	3	33	22	40	2.13		0.65	0	5	20	5	Eula L. Rutherford.	
Holdenville.	Hughes.	900	10	62.3	+ 0.4	92	1†	32	22	38	1.23	- 1.48	0.35	0	7	18	8	H. N. Kelly.	
Hooker.	Texas.	3,038	5	55.8		95	2	25	30	46	2.49		1.61	3.0	7	16	2	Dr. C. W. Meyers.	
Hurley.	Cimarron.	4,200	3	52.0		89	2	21	28	42	2.75		0.80	20.0	5	10	15	M. L. Henderson.	
Idabel.	McCurtain.	474	3															T. E. Beck.	
Jefferson.	Grant.	1,062	17	59.6	+ 0.4	95	2	30	22	43	0.60	- 1.80	0.35	0	5	14	12	Wm. M. Guy.	
Kenton.	Cimarron.	4,000	10	53.2	- 2.9	87	24				47b	2.03	+ 1.21	0.42	0	9	17	3°	J. C. Cross.
Kingfisher.	Kingfisher.	1,046	14	63.7	+ 0.7	96	1†	30	22	44	1.73	- 1.08	1.09	0	6	16	13	Wm. Noble.	
McAlester.	Pittsburg.	698	15	65.4		95	2	35	22	39	2.80	- 1.16	1.02	0	5	20	4	J. E. McNair.	
McComb.	Pottawatomie.	1,200	17															F. D. Dodson.	
Mangum.	Greer.	1,585	18	65.6	+ 2.8	100	14	35	22	50	2.01	+ 0.09	0.67	0	5	23	2	Wm. B. Anthony.	
Marlow.	Stephens.	1,292	10														G. C. Gray.		
May.	Harper.																Dr. J. H. Baugh.		
Meeker.	Lincoln.	1,030	17	62.7	+ 1.5	95	1	31	22	46	0.66	- 2.25	0.45	0	2	21	4	J. Harry Randall.	
Muskogee.	Muskogee.	614	12	62.6	- 0.3	92	2	31	22	48	0.72		0.57	0	5	23	4	Thos. Martin.	
Mutual.	Woodward.	3	30	60.0		96	1	28			45	0.95		0.46	0	3	21	7	R. N. Schooling.
Neola.	Caddo.	1,500	5	62.8		96	3	33	22	45	0.95		1.33	0.32	0	4	11	3	P. H. Albright & Co.
Newkirk.	Kay.	1,149	13	61.8	0.0	95	1	30	22	47	0.97	- 1.33	0.32	0	4	13	7	S. E. Boyd.	
Norman.	Cleveland.	1,171	16	62.6	- 0.3	94	1	29	22	41	1.84	- 1.30	0.96	0	5	13	15	Dr. F. P. Osborn.	
Oakwood.	Dewey.	1,854	1	61.0		95	3	24			24	1.16		0.56	0	4	19	7	Dr. L. H. Murdoch.
Okeene.	Blaine.	1,194	7	62.2		97	1	32	31	43	1.08		0.45	0	7	24	4	U. S. Weather Bureau.	
Oklahoma.	Oklahoma.	1,247	20	61.6	+ 0.3	93	1	34	22	34	1.29	- 0.52	0.73	0	6	10	16	J. L. Maynard.	
Okmulgee.	Okmulgee.	752	7	62.2		94	1	33	22	38	1.13		0.50	0	4	15	3	A. M. Foss.	
Pauls Valley.	Garvin.	880	11	63.0	+ 0.4	95	1	29	22	43	1.90		1.12	0.66	0	5	17	12	R. C. Block.
Pawhuska.	Osage.	918	11	64.2	+ 3.5	95	2	30	22	41	2.08	- 2.25	1.52	0	4	16	7	G. C. Wollard.	
Perry.	Noble.	920	12	63.3	+ 1.2	100	2	33	22	42	1.18	- 2.07	0.47	0	5	14	12	R. G. Guptill.	
Ravilla.	Johnston.	798	8	63.6		95	4	31	22	37	2.19		0.84	0	4	22	7	M. R. Gayle.	
Sac & Fox Agency.	Lincoln.	900	18	63.0	+ 1.2	92	1†	33	22	35	1.51	- 1.61	0.67	0	5	18	6	Mrs. Kate Chatman.	
Shawnee.	Pottawatomie.	1,041	10	61.6	- 0.3	93	2	32	22	40	1.93	- 0.85	1.45	0	5	10	11	Dr. W. C. Woodward.	
Snyder.	Kiowa.	1,356	4	65.2		97	3	33	22	41	1.03		0.48	0	3	24	4	A. R. Evans.	
Stillwater.	Payne.	880	18	60.9	0.0	95	1	29	22	40	1.47	- 1.35	0.72	0	5	17	3	Dr. H. M. Hutchinson.	
Tulsa.	Tulsa.	700	22	60.7		94	1†	31	22	36	2.11	- 1.27	0.88	0	8	15	10	W. C. Chamberlain.	
Vinita.	Craig.	608	7	61.2		92	2	32	22	40	2.18		0.79	0	5	15	10	S. L. Hatfield.	
Wagoner.	Wagoner.	588	14								3.76	+ 0.67	1.90	0	3	10d	9d	R. C. Shadys.	
Waukomis.	Garfield.	1,258	14	64.8	+ 1.9	101	2	33	22	42	4.48	+ 1.61	2.80	0	6	19	9	B. A. Swindler.	
Waurika.	Jefferson.	988	1	65.2		97	1	34	22	44	0.46		0.29	0	3	23	6	M. D. Reed.	
Weatheringford.	Custer.	1,639	10	63.0	- 0.9	96	1†	31	22	47	2.28	+ 0.20	1.35	0	7	20	6	B. D. Bouleinau.	
Webbers Falls.	Muskogee.	479	12	62.4	+ 0.7	94	3	28	22	38	5.42	+ 2.11	3.10	0	4	3	21	J. M. Danwordt.	
Whiteagle.	Kay.	945	7	61.4		94	1†	32	22	40	0.70		0.26	0	4	18	5	R. A. Boyle.	
Woodward.	Woodward.	1,893	8	59.5		97	1	27	31	48	0.82		0.30	2.0	4	22	6	Edwin Pumphrey.	
Belle.	Maries.	20	56.1 ^b	- 3.7	86	6	31	22	33	1.98	- 0.38	1.00	0	4	1h	12 ^b	10 ^b	A. J. Woffard.	
Birchtree.	Shannon.	1,200	19	59.6 ^a	+ 1.5	90	3	32	22	30	2.26	- 0.08	0.68	0	5	16	7	V. H. Kirkendall.	
Cardwell.	Dunklin.	1	60.7		91	2	33	22	34	0.30		0.30	0	1	1				

TABLE 1.—*Climatological data for October, 1911. District No. 7—Continued.*

Stations.	Counties.	Elevation, feet	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Kentucky.																				
Blandville.....	Ballard.....	445	29	61.1	+ 3.0	90	2†	36	22	31	0.78	- 1.95	0.17	0	8	13	4	14	sw.	E. W. Horr.
Lynnville.....	Graves.....	8	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tennessee.																			.....	.....
Arlington.....	Shelby.....	29	61.8	+ 2.9	92	3	32	24†	40	0.65	- 1.55	0.50	0	3	18	4	9	s.	A. T. B. Etheridge.	
Bolivar.....	Hardeman.....	450	24	61.5	+ 1.8	92	2	32	24	36	1.37	- 1.18	0.97	0	4	18	2	11	n.	Miss M. A. Smith.
Brownsville.....	Haywood.....	361	26	63.8	+ 3.4	91	2†	35	24†	35	0.89	- 1.57	0.35	0	4	19	6	6	n.	Miss H. N. Moses.
Covington.....	Tipton.....	311	24	62.0	+ 1.5	91	3	25	24	32	0.75	- 1.61	0.50	0	4	21	1	9	n.	James S. Ruffin.
Dyersburg.....	Dyer.....	310	28	62.2	+ 2.4	90	2†	36	28†	33	2.41	- 0.08	1.10	0	5	19	3	9	se.	Miss M. A. Sinclair.
Jackson.....	Madison.....	450	18	64.1	+ 3.8	98	2	33	24	40	3.40	+ 0.95	2.30	0	3	13	9	9	nw.	Shelby A. Robert.
Kenton.....	Obion.....	325	9	63.0	.....	94	2†	32	28	39	2.21	.....	1.25	0	8	16	3	12	n.	George S. Martin.
Memphis.....	Shelby.....	409	40	64.0	+ 1.5	89	3	37	28	26	0.36	- 2.38	0.22	0	6	16	4	11	n.	U. S. Weather Bureau.
Milan.....	Gibson.....	440	28	61.2	+ 2.5	91	2	35	24	35	3.46	+ 0.96	2.10	0	6	14	2	15	p.	Orlando F. Cantwell.
Trenton.....	do.....	345	28	61.9	+ 3.0	93	2	30	23†	43	0.62	- 2.19	0.37	0	3	19	2	10	sw.	F. L. Dennison.
Union City.....	Obion.....	360	13	63.5	+ 2.7	99	2	31	24	42	1.45	- 1.01	0.70	0	3	14	13	4	n.	J. B. Klimzey.
Arkansas.																			.....	.....
Alicia.....	Lawrence.....	7	63.0	.....	90	2	32	26	38	0.65	.....	0.55	0	2	16	12	3	.....	McCullough & Guelck.	
Amity.....	Clark.....	250	19	64.8	+ 1.6	95	4	32	22	41	1.00	- 1.93	0.50	0	2	25	2	4	w.	J. W. Campbell.
Arkadelphia (near).....	do.....	250	4	64.6	.....	93	2	35	22	34	1.05	.....	0.63	0	2	.....	.....	sw.	J. A. Ross.	
Arkansas City.....	Desha.....	145	28	.....	.....	.....	.....	.....	.....	1.74	+ 0.10	1.50	0	3	.....	.....	.....	.....	W. C. Blundell.	
Batesville.....	Independence.....	271	6	.....	.....	.....	.....	.....	.....	1.38	.....	0.76	0	8	.....	.....	.....	.....	Lelia I. Teter.	
Bee Branch.....	Van Buren.....	19	63.0	+ 0.6	90	2	32	22	44	2.10	- 0.30	1.40	0	4	11	9	11	.....	J. E. Scanlan.	
Benton.....	Saline.....	283	4	62.0	.....	91	2†	31	26	43	0.48	.....	0.48	0	1	13	8	10	ne.	P. B. Jackson.
Bentonville.....	Benton.....	1,303	6	59.0	+ 1.0	89	2	30	22	31	1.98	- 0.83	0.87	0	8	13	8	10	s.	U. S. Weather Bureau.
Bergman.....	Boone.....	1,324	15	55.5	- 4.3	88	2	25	22	39	2.23	+ 0.04	0.91	0	5	14	7	10	nw.	John T. Maxey.
Black Rock.....	Lawrence.....	259	7	.....	.....	.....	.....	.....	.....	1.66	.....	0.68	0	6	.....	.....	.....	.....	J. S. Howe.	
Brinkley.....	Monroe.....	226	25	62.8	+ 0.9	92	2†	33	26	45	1.63	- 0.81	0.74	0	5	.....	.....	.....	.....	H. L. D. Whitson.
Calico Rock.....	Izard.....	361	7	.....	.....	.....	.....	.....	.....	1.55	.....	0.70	0	5	.....	.....	.....	.....	W. H. Stoner.	
Camden.....	Ouachita.....	158	26	66.0	+ 2.6	99	4	32	22	41	1.92	- 0.44	0.59	0	7	.....	.....	.....	.....	R. H. Quarterman.
Centerpoint.....	Howard.....	470	11	66.4	+ 1.5	94	4†	33	22	39	2.17	- 0.76	1.67	0	2	10	12	9	sw.	J. M. Huddleston.
Clarendon.....	Monroe.....	171	7	.....	.....	.....	.....	.....	.....	1.47	.....	0.95	0	7	.....	.....	.....	.....	Mrs. B. E. Bishop.	
Conway.....	Faulkner.....	300	28	61.6	+ 0.5	89	1†	35	25†	32	1.80	- 0.37	0.77	0	8	16	10	5	e.	G. H. Burr.
Corning.....	Clay.....	293	19	.....	.....	.....	.....	.....	.....	1.80	.....	0.87	0	6	.....	.....	.....	.....	Jacob Brobst.	
Dardanelle.....	Yell.....	330	28	62.2	.....	92	2	34	22	39	2.47	+ 0.17	0.70	0	6	.....	.....	.....	.....	A. Bernard.
Dodge City.....	Marion.....	1,175	30	59.5	- 0.7	91	2	33	22	34	4.18	+ 1.23	1.42	0	5	.....	.....	.....	.....	Neal Dodd.
Dutton.....	Madison.....	9	58.4	.....	90	2	25	22	40	2.17	.....	1.12	0	3	13	3	15	.....	J. M. Ricketts.	
Eldorado.....	Union.....	265	7	65.2	.....	96	4	35	22†	39	1.06	.....	0.64	0	6	.....	.....	.....	.....	Jeff J. Bab.
England.....	Lonoke.....	5	64.2	.....	91	2	34	22	37	1.06	.....	0.64	0	5	.....	.....	.....	.....	J. C. Chenault.	
Eureka Springs.....	Carroll.....	1,465	9	60.6	.....	92	2	32	22	35	2.94	.....	1.51	0	4	10	14	7	sw.	George W. Nichoalds.
Fayetteville.....	Washington.....	1,451	22	61.8	+ 1.4	88	2†	31	31	35	2.88	- 0.17	1.26	0	4	11	14	6	sw.	Univ. of Arkansas.
Fordyce.....	Dallas.....	66.4	4	.....	94	3†	33	22	42	1.30	.....	0.61	0	4	16	7	8	sw.	A. Tredick.	
Fort Smith.....	Sebastian.....	481	29	62.7	+ 1.0	90	2	35	22	34	1.23	- 1.60	0.54	0	7	14	4	13	e.	U. S. Weather Bureau.
Fulton.....	Hempstead.....	264	7	.....	.....	.....	.....	.....	.....	1.92	.....	1.30	0	3	.....	.....	.....	.....	B. C. Logan.	
Hardy.....	Sharp.....	643	13	60.6	- 0.6	92	2	34	25†	38	1.72	- 0.69	1.02	T.	6	11	5	15	sw.	C. A. Caywood.
Helena.....	Phillips.....	182	26	64.0	+ 1.7	93	2†	35	28	36	1.12	- 1.22	0.62	0	4	14	2	12	sw.	B. F. Modisett.
Hot Springs.....	Garland.....	600	5	.....	.....	.....	.....	.....	.....	0.72	.....	0.50	0	3	13	12	6	sw.	Hot Spr'g Water Co.	
Huttig.....	Union.....	85	4	66.1	.....	97	2	34	23	40	1.58	.....	0.74	0	5	23	3	11	n.	C. A. Berry.
Jonesboro.....	Craighead.....	345	16	61.8	0.0	93	2	31	25	44	1.34	- 1.32	0.52	0	4	5	23	3	n.	Benedictine Sisters.
Junction.....	Union.....	18	66.2	+ 2.7	92	1†	34	23	35	0.59	- 2.63	0.38	0	2	23	2	6	n.	J. A. Lowderback.	
Lake Farm.....	Jefferson.....	195	4	63.5	.....	95	1†	29	25	45	1.05	.....	0.42	0	3	14	9	8	n.	R. H. Gillispie.
Lewisville.....	Lafayette.....	262	8	65.4	.....	101	4	34	22	39	1.80	.....	1.20	0	3	16	8	7	sw.	F. W. Youmans.
Little Rock.....	Pulaski.....	357	32	63.2	+ 0.5	89	3	37	28	39	2.41	- 2.14	0.33	0	3	15	6	10	sw.	U. S. Weather Bureau.
Malvern.....	Johnson.....	775	14	60.8	- 0.9	90	2	32	22	35	1.81	- 1.38	1.08	0	5	13	11	7	sw.	W. R. Hentschel.
Malvern.....	Hot Springs.....	277	24	62.8	- 0.3	92	3	33	22	35	1.05	- 1.11	0.50	0	6	13	14	4	sw.	Miss L. C. Smith.
Mammoth Spring.....	Fulton.....	512	7	58.8	.....	91	2	30	25	38	1.88	.....	0.87	0	6	13	14	4	sw.	F. Wallack.
Marked Tree.....	Poinsett.....	229	7	.....	.....	.....	.....	.....	.....	0.41	.....	0.16	0	4	.....	.....	.....	.....	L. Smith.	
Mena.....	Polk.....	1,100	25	63.0	+ 0.6	91	4	31	22	30	2.07	- 0.41	0.94	0	3	.....	.....	.....	.....	R. R. St. John.
Newport.....	Jackson.....	231	27	61.2	+ 0.5	91	2	36	22†	32	1.14	- 0.81	0.70	0	4	.....	.....	.....	.....	Chas. Sprigg.
Ozark.....	Franklin.....	377	20	.....	.....	.....	.....	.....	.....	1.14	.....	0.70	0	5	4	17	10	sw.	R. M. Adams.	
Pine Bluff.....	Jefferson.....	215	23	65.0	+ 1.7	92	2†	36	22	36	2.64	+ 0.65	1.58	0	6	14	7	10	sw.	J. M. Hudson.
Pocahontas.....	Randolph.....	19	63.2	+ 3.5	91	3	33	25	41	2.12	- 0.23	0.80	0	6	14	7	10	sw.	Benedictine Sisters.	
Pond.....	Benton.....	1,250	14	59.2	- 0.2	88	2	27	22	38	2.53	- 0.37	1.12	0	5	4	17	10	sw.	A. F. Stevens.
Portland.....	Ashley.....	122	2	.....	.....	.....	.....	.....	.....	2.20	.....	1.35	0	3	.....	.....	.....	.....	T. A. Corson.	
Prescott.....	Nevada.....	327	3	64.9	+ 0.7	96	2†	32	22	42	1.66	- 0.68	0.86	0	6	.....	.....	.....	.....	A. M. Ellsworth.
Rogers.....	Benton.....	1,385	20	60.0	- 0.5	88	2	32	22	36	2.24	- 0.36	0.84	0	5	13	7	11	n.	Carl A. Stark.
Springbank.....	Miller.....	182	4	.....	.....	.....	.....	.....	.....	1.79	.....	0.99	0	7	.....	.....	.....	.....	G. Field.	
Stuttgart.....</																				

TABLE 1.—Climatological data for October, 1911. District No. 7—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unadjusted.	Number of rainy days 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>Mississippi—Contd.</i>																				
Hickory Flat.	Benton.	435	2								3.21	+ 0.82	1.50	0	7	16	12	3	n.	Tallahatchie Dr'ge Com.
Holly Springs.	Marshall.	600	24	63.4	+ 1.7	89	27	38	22	28	2.89	+ 0.82	1.17	0	6	15	4	12	ne.	L. B. Mosby.
Kosciusko.	Attala.	430	21	67.4	+ 5.1	96	47	31	23	42	1.01	- 1.20	0.89	0	4	19	6	6	e.	E. L. Lucas.
Lake Cormorant.	De Soto.	206	2								0.47		0.24	0	4	16	15	0	ne.	Tallahatchie Dr'ge Com.
Lula.	Coahoma.	182	2								0.27		0.18	0	2	15	11	5	do.	Do.
Malone.	Marshall.										1.76		0.93	0	6				do.	Do.
Marks.	Quitman.	163	2								1.76		1.01	0	5				do.	Do.
Natchez.	Adams.	206	23	69.0	+ 2.0	94	57	35	23	42	0.76	- 1.89	0.40	0	2	11	0	20	ne.	F. L. Garrity.
New Albany.	Union.	308	2								3.02		1.62	0	5	14	15	6	ne.	Tallahatchie Dr'ge Com.
Pontotoc.	Pontotoc.	475	23	64.7	+ 2.4	92	27	35	23	34	1.84	+ 0.26	0.65	0	6	14	11	6	nw.	Dr. C. W. Bolton.
Port Gibson.	Claiborne.	116	23	67.4	+ 3.2	96	37	30	23	44	0.53	- 1.49	0.23	0	3	15	4	12	sw.	H. H. Crisler.
Rosedale.	Bolivar.	143	3	64.9		93	27	34	23	42	0.87		0.75	0	2	11	8	12	nw.	T. J. Murray.
Senatobia.	Tate.	284	2								0.59		0.45	0	4	22	0	9	n.	Tallahatchie Dr'ge Com.
Shoecoe.	Madison.	8	68.9			97	47	30	23	43	0.55	- 2.09	0.32	0	2	20 ^b	6 ^b	3 ^b	s.	J. C. Pitchford.
Suffolk.	Franklin.	10	70.4	+ 4.3	96	4	35	23	36	2.62	+ 0.21	1.19	0	6	19	4	8	ne.	Prof. George H. Kent.	
Tchula.	Holmes.	130	6	67.8		96	47	33	23	40	1.11		0.39	0	2	9	18	4	n.	Dr. M. P. Winkler.
University.	Lafayette.	502	18	64.4	+ 1.3	90	27	35	23	30	2.68	+ 1.30	2.10	0	6	19	7	5	n.	Prof. J. H. Dorroh.
Utica.	Hinds.	287	7	68.8		96	37	32	23	40	0.94		0.43	0	3	14 ^b	4 ^b	11 ^b	nw.	Dr. J. B. Dudley.
Vicksburg.	Warren.	247	40	68.6	+ 3.3	92	4	39	23	31	0.67	- 2.13	0.41	0	7	16	7	8	sw.	U. S. Weather Bureau.
Water Valley.	Yalobusha.	300	22	66.6	+ 3.7	96	27	34	23	40	2.92	+ 0.41	1.40	0	3	20	8	3	n.	Miss Louisa Erikson.
Woodville.	Wilkinson.	116	17	70.3	+ 3.7	95	4	38	23	35	1.72	- 0.95	1.12	0	6	25	4	2	ne.	James E. Lee.
Yazoo City.	Yazoo.	116	17	67.8	+ 3.5	96	4	33	23	41	0.80	- 1.07	0.25	0	4	20	2	9	nw.	W. H. Courts.
<i>Louisiana.</i>																				
Abbeville.	Vermilion.	18	23	71.3	+ 2.4	93	2	40	23	32	5.66	+ 2.33	3.12	0	7	14	4	13	n.	C. J. Edwards.
Alexandria.	Rapides.	77	23	68.2	+ 2.0	94	4	37	23	38	2.82	- 0.28	1.28	0	7	15	13	3	n.	Nellie Graham.
Amite.	Tangipahoa.	130	23	69.8	+ 3.4	93	27	35	23	38	3.00	+ 0.53	1.50	0	4	13	14	4	n.	Lulu M. Wentz.
Antioch.	Claiborne.																	w.	L. L. Anglin.	
Avoca Island.	St. Mary.																	n.	J. N. Phair & Sons, Ltd.	
Baton Rouge.	East Baton Rouge.	60	23	71.0	+ 3.1	95	27	39	23	36	2.43	+ 0.24	1.63	0	8	18	2	11	ne.	Elmo M. Bott.
Burnside.	Ascension.	20	11	71.8	+ 3.4	95	7	33	23	35	3.49	+ 0.49	1.82	0	4	13	5	13	n.	C. S. McFarland.
Burrwood.	Plaquemines.	1	23	77.1	+ 3.6	94	2	57	23	19	8.43	+ 4.28	2.71	0	7	14	16	1	n.	Graham Myers.
Cades.	St. Martin.	1	7.2			97	4	39	23	32	3.77		1.89	0	8	22	1	8	n.	C. E. Smedes.
Calhoun.	Ouachita.	180	23	67.2	+ 2.7	96	37	33	23	41	1.23	+ 0.97	1.68	0	7	16	9	6	nw.	N. Louisiana Exp. Sta.
Cameron.	Cameron.	6	18	70.4	+ 0.4	89	17	46	22	25	8.61	+ 5.67	4.05	0	8	9	15	7	n.	State Biological Sta.
Carrollton.	Orleans.	7																	Loyola College.	
Cheneyville.	Rapides.	67	23	69.2	+ 3.4	96	3	38	23	39	2.57	+ 0.68	1.10	0	6	14	6	11	e.	Walter I. Tanner.
Cincclare.	West Baton Rouge.	1	70.5			96	6	38	22	36	3.27		2.15	0	6	11	11	9	ne.	Cincclare Central Factory.
Clinton.	East Feliciana.	113	23	70.1	+ 3.4	93	17	37	23	33	2.76	+ 1.26	1.67	0	5	10	10	11	n.	John A. White.
Collinston.	Morehouse.	65	10	68.0	+ 3.1	99	4	34	23	39	1.46		0.58	0	3	13	6	12	n.	John B. Reilly.
Columbia.	Caldwell.	137																	H. W. Blanks.	
Covington.	St. Tammany.	39	19	71.3	+ 4.1	94	47	38	23	40	1.52	- 1.25	0.69	0	6	11	6	14	s.	Lucille Champagne.
Dodson.	Winn.	2	68.8			98	37	35	23	38	1.83		1.01	0	3	15	5	11	ne.	J. P. Lucas.
Donaldsonville.	Ascension.	33	23	73.8	+ 4.4	94	37	45	23	38	8.91	+ 5.93	5.50	0	5	18	6	7	e.	John F. Park.
Dughtown.	do.																		Picard & Geismar Ltd.	
Farmerville.	Union.	177	23	65.04	+ 1.2	95	5	34	22	33 ^a	1.68	- 1.00	0.72	0	4	11	7	13	n.	W. P. Chandler.
Ferriday.	Concordia.	4	70.4			94	2	32	23	34	2.29		0.15	0	2				n.	R. Z. Scilater.
Franklin.	St. Mary.	10	19	70.6	+ 1.8	96	27	42	23	34	4.71	+ 0.58	2.88	0	7	14	5	12	n.	J. M. Bonney.
Grand Cane.	De Soto.	302	17	62.7	- 2.5	97	37	26	23	49 ^b	4.86	- 0.92	0.81	0	6	10	12	9	se.	G. Foster Provost.
Grand Coteau.	St. Landry.	93	23	70.3	+ 2.6	94	4	36	23	34	2.44	- 0.62	1.15	0	5	21	3	7	se.	St. Charles College.
Hammond.	Tangipahoa.	44	19	71.4	+ 4.5	97	2	36	23	38	2.74	+ 0.36	1.44	0	5	22	5	4	se.	C. C. Carr.
Houma.	Terrebonne.	23	73.4	+ 5.1	95	27	41	23	38	1.93	- 1.11	0.55	0	5	25	0	6	e.	J. M. Foote.	
Jena.	Catahoula.	70.1		99	2	33	23	42	1.02		0.55	0	3	9	16	6	1	s.	I. A. Wilbanks.	
Jennings.	Calcasieu.	30	14	70.2	+ 1.6	95	1	39	23	35	6.83	+ 3.09	2.64	0	8	16	7	17	se.	J. F. Buch.
Larck.	Morehouse.																		P. M. Donley.	
Lafayette.	Lafayette.	36	23	70.6	+ 2.8	96	6	37	23	35	3.62	+ 0.66	1.45	0	9	11	10	10	n.	J. J. Davidson.
Lake Charles.	Calcasieu.	22	23	69.0	+ 0.6	96	8	35	22	40	7.26	+ 3.62	2.01	0	7	15	0	16	n.	George Boudreax.
Lakeside.	Cameron.	9		68.0	- 0.8	95	47	45	23	41	5.18		2.61	0	8	23	1	7	ne.	L. J. Nunnemacher.
La Rose (near).	La Fourche.			69.9		95	7	43	23	30	4.58		1.45	0	8	24	4	3	ne.	La. Delta Farms Co.
Lawrence.	Plaquemines.	6	20	73.8	+ 3.5	96	2	48	23	26	2.59	- 0.36	1.16	0	8	16	10	5	n.	H. C. Warmoth.
Leesville.	Vernon.																		C. M. McFarland.	
Liberty Hill.	Bienville.	23		69.6	+ 3.3	103	2	33	23	45	1.61	- 1.12	1.14	0	4	18	3	10	s.	E. A. Crawford.
Logansport.	De Soto.	192	7	69.0	+ 1.8	97	37	32	23	49	1.92	- 0.79	1.22	0	3	11	4	16	e.	Bettie B. Dennis.
Meiville.	St. Mary.	45	23	69.0	+ 1.8	97	37	32	23	49	1.92	- 0.79	1.22	0	3	11	4	16	n.	Charles B. McNeill.
Merryville.	Calcasieu.																		A. P. Windham.	
Minden.	Webster.	194	23	65.4	- 0.1	97	5	32	22	46	1.03	- 1.48	0.35	0	7	14	6	11	n.	Ethel Fort.
Monroe.	Ouachita.	82	23	69.6	+ 3.7	99	4	33	23	42	3.27	+ 0.61	1.00	0	4	17	0	14	w.	L. L. Smith.
Morgan City.	St. Mary.	14	5																Virgil E. Kinsey.	
Newellton.	Tensas.	4		67.5		95	17	31	23	43	0.46		0.27	0	4				John D. Fultz.	
New Iberia.	Iberia.	15	23	71.4	+ 2.8															

TABLE 2.—*Daily precipitation for October, 1911. District No. 7, Lower Mississippi Valley.*

Stations.	Watershed.	Day of month.																													Total.						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
<i>Colorado.</i>																																					
Buena Vista.....	Arkansas.....					.50																												1.35			
Calhan.....	Big Sandy.....	.02				.54	.09																										1.68				
Canon City [I].....	Arkansas.....	.06	T.			.42	T.																										0.86				
Colorado Springs.....	Fountain.....					.35	T.																										0.82				
Cripple Creek.....	Oil Creek.....																																	3.64			
Cuchara Camps.....	Cucharas.....	.21				.26	1.46																														
Eads.....	Big Sandy.....																																				
Fairview.....	St. Charles.....					1.55	.61																													4.02	
Fremont Exp.Sta. [II]	Fountain.....	.02				.50	.20																												1.45		
Garfield.....	Little Ar-kansas.....	.56				1.01	.03																												2.54		
Hamps.....	Big Sandy.....	.07				.47	.01																												1.55		
Hermit Lake.....	Grape Creek.....	.27				18.3	.25	.25																										6.48			
Hoehne (near).....	Purgatoire.....					.05	.76																											1.41			
Holly.....	Arkansas.....	.10				.26																													0.82		
La Junta.....	do.....	.27				.06																													1.44		
Lake Moraine.....	Fountain.....					1.02	.15																											1.91			
Lamar.....	Arkansas.....					.17																													1.51		
Las Animas.....	Cucharas.....					.59	1.42																											3.83			
La Veta Pass.....	Arkansas.....	.48	T.	T.	.20	.52	T.																											2.24			
Leadville.....	Big Sandy.....					.30																													1.06		
Limon (near).....	Purgatoire.....					.03	1.74																											2.73			
Madrid.....	Arkansas.....					.23	.05																											0.70			
Marshall Pass.....	Fountain.....					.20																													0.54		
Monument.....	T.	T.																																		3.26	
North Lake.....	Purgatoire.....	.18				.30	.25																											2.63			
Pueblo.....	Arkansas.....		T.		.27	.09	.11																											1.09			
Rocky Ford (near).....	do.....																																				3.10
St. Elmo.....	Chalk Creek.....	.42				1.85	.02																												1.49		
Salida [II].....	Arkansas.....	.05				.25	.20																												2.02		
Santa Clara.....	Huerfano.....																																			0.77	
Sheridan Lake.....	Arkansas.....																																			1.08	
Stonewall.....	Purgatoire.....					.20	.95	.04																										3.35			
Trinidad.....	do.....					1.52	1.10																											3.26			
Two Buttes.....	Cimarron.....		T.		.11	T.																													0.66		
Victor.....	Oil Creek.....					.83	.13																												1.44		
Villas.....	Cimarron.....	.08	.02																																0.87		
Wayne.....	Arkansas.....																																				1.45
Westcliffe.....	Grape Creek.....					.20	.80	.03																										1.98			
Winfield.....	Clear Creek.....					1.54	.35	.02																										2.02			
Woodman Sanat'm.....	Fountain.....		T.	T.	.10	T.	T.	T.	.21	.13	.10	T.	.10	.11	.13											0.77											
Wortman.....	Arkansas.....																																			1.08	
<i>New Mexico.</i>																																					
Abbott.....	Canadian.....					.54																													1.68		
Albert.....	do.....					.02																													0.56		
Aurora.....	do.....					.47	3.25	.05	.02	.01																						5.03					
Bell Ranch.....	do.....					.15																													1.18		
Black Lake.....	do.....					.62	2.00	.17																									3.39				
Cabeza.....	do.....					.05																													0.80		
Campana.....	do.....					.10	T.																												1.45		
Chacon.....	do.....					1.10	2.76																										4.88				
Cimarron (near).....	do.....					1.81	.02																											2.96			
Clayton.....	Red.....					T.		.33																										1.01			
Clovis.....	Canadian.....					T.		.33																										1.11			
Cuervo.....	do.....					.98	1.53																										3.81				
Dawson.....	do.....					.60	1.76	.15																									4.21				
Folsom.....	Dry Cimarron.....					.06	.79	T.																										2.55			
Fort Union.....	Canadian.....					* 1.50	.12																											2.68			
Hayden.....	do.....					.30	.40																											3.70			
Hoosier Ranch.....	do.....			</td																																	

TABLE 2.—*Daily precipitation for October, 1911. District No. 7—Continued.*

Stations.	Watershed.	Day of month.																													Total.					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
<i>Texas.</i>																																				
Amarillo.....	Canadian	.13		T.	T.																.07	T.											0.84			
Archer City.....	Red.....																					.21												0.35		
Arthur City|||.....	do.....																					.10	.20											3.00		
Bonham.....	do.....																				.17	.68												1.43		
Canadian.....	Canadian																					.47													0.67	
Childress.....	Red.....	.06	.03																																1.40	
Chillicothe.....	do.....	.40																					.41												0.81	
Clarendon|||.....	do.....	.76																					.73												3.03	
Clarksville.....	do.....																																			
Claude.....	do.....																						.54													
Dalhart|||.....	Canadian	.06																					.31	.02											1.57	
Denison|||.....	Red.....																						.20	.10											2.09	
Finley|||.....	do.....	.40																					T.	1.00											1.62	
Henrietta|||.....	do.....																							.28	.09											1.34
Hereford.....	do.....																																			
Memphis.....	do.....	.45																																		1.25
Miami.....	Canadian																																			1.03
Moebetie.....	Red.....																																			1.75
Nazareth.....	do.....																																			
Ochiltree.....	Canadian																																			
Pampa.....	do.....																																			0.98
Panhandle.....	do.....																																			
Paris|||.....	Red.....	.09																																		1.78
Plemons.....	Canadian	.30	.17																																	2.36
Quanah|||.....	Red.....	.60																																		1.92
Ringo Crossing|||.....	do.....	1.59																																		3.28
Romero.....	Canadian																																			1.19
Sherman|||.....	Red.....	T.																																		2.52
Stratford.....	Canadian																																			1.43
Sulphur Springs.....	Red.....																																			
Texline.....	Canadian																																			1.25
Tulia.....	Red.....	.30		.20																															3.24	
Wichita Falls.....	do.....																																			0.43
Winfield.....	do.....																																			1.69
<i>Kansas.</i>																																				
Alden.....	Arkansas	.25																																		1.08
Anthony.....	do.....	.40		.03	.02																T.													0.96		
Ashland.....	Cimarron	.02	.02	.12																																1.25
Burlington.....	Neosho	.07	.27																																	0.74
Chanute.....	do.....	.31	T.	.20	.31																T.	.37												1.96		
Cimarron.....	do.....	.01		T.																																0.82
Coldwater.....	do.....			.09																															1.11	
Columbus.....	Neosho	.32		T.	.26																T.	.11	.09											2.16		
Coolidge.....	Arkansas	.06																																		1.60
Cottonwood Falls.....	Neosho	.18																																		0.99
Council Grove.....	do.....	.11																																		0.64
Cunningham.....	Arkansas		T.	T.																															1.45	
Dodge City.....	do.....	.16																																		0.63
El Dorado.....	do.....	1.85																																		2.77
Ellinwood.....	do.....	.13	.03	.06																															1.41	
Emporia.....	Neosho	.05																																		
Eureka.....	Verdigris	.10																																		0.82
Fall River.....	do.....	.05	.10																																0.75	
Fargo.....	Cimarron	.44																																		0.71
Fredonia.....	Verdigris	.03	.28																																	1.27
Garden City.....	Arkansas	T.	.10		.05	.25	T.																												1.54	
Great Bend.....	do.....																																			
Greensburg.....	do.....																																			1.58
Grenola.....	do.....	.02	.34	T.	.02				</td																											

TABLE 2.—*Daily precipitation for October, 1911. District No. 7—Continued.*

TABLE 2.—*Daily precipitation for October, 1911. District No. 7—Continued.*

TABLE 2.—*Daily precipitation for October, 1911. District No. 7—Continued.*

* Precipitation included in that of the next measurement.

• Precipitation included in that of the
‡ Separate dates of falls not recorded.

Precipitation for the 24 hours ending on the morning when it is measured.
Precipitation is less than 0.01 inch rain or melted snow.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures at selected stations for October, 1911. District No. 7, Lower Mississippi Valley.

Date.	Colorado.				New Mexico.				Texas.				Kansas.								Oklahoma.								
	Lamar.		Leadville.		Pueblo.		Albert.		Cimarron.		Amarillo.		Paris. §§		Dodge City.		Ellinwood.		Iola.		Liberal.		Wichita.		Ardmore. §§		Bartlesville.		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			
1.			57	33	85	53	89	50	75	50	91	62	94	71	76	55	82	60	88	63	83	60	88	60	94	75	94	74	
2.			60	33	86	54	91	56	81	43	91	64	94	72	79	54	67	53	80	59	85	53	88	58	93	75	97	67	
3.			49	22	78	53	75	57	75	50	89	59	95	72	78	56	78	65	86	63	77	59	81	66	95	74	93	70	
4.			61	24	64	41	78	55	59	36	82	56	97	73	70	49	76	42	75	54	70	45	71	55	95	75	78	59	
5.			53	38	68	52	76	51	68	48	85	63	94	70	86	60	88	60	84	59	85	55	86	61	91	70	86	59	
6.			44	30	62	44	66	49	64	40	68	51	95	70	69	48	84	57	81	53	78	55	79	54	91	74	85	66	
7.			58	22	68	36	68	53	63	36	66	42	70	55	66	44	67	50	55	48	68	39	59	50	68	55	73	52	
8.			62	25	67	36	71	61	64	34	68	42	64	55	66	34	65	31	56	45	68	35	55	48	61	49	61	48	
9.			64	27	75	35	77	64	71	34	75	42	72	52	75	38	75	36	63	44	78	35	65	43	70	41	68	50	
10.			58	27	80	38	80	47	73	30	81	47	81	50	80	44	78	34	70	41	85	41	73	46	77	47	75	39	
11.			55	29	70	48	88	55	72	40	87	54	85	52	84	56	90	56	81	51	87	46	84	56	84	62	84	44	
12.			54	25	78	42	84	43	75	37	87	56	86	65	87	53	87	48	82	52	84	48	84	59	89	66	89	59	
13.			59	24	75	42	73	48	73	40	80	53	85	65	82	50	80	52	82	58	82	47	80	61	87	61	88	63	
14.			63	26	86	36	72	39	79	37	88	53	85	65	90	56	93	49	84	57	90	50	89	59	89	65	92	56	
15.			31	17	65	37	68	41	66	37	70	47	88	63	65	46	78	53	82	54	77	52	74	49	90	67	89	64	
16.			46	15	64	31	79	37	63	28	66	45	72	54	66	46	81	45	64	47	68	45	64	47	71	50	85	48	
17.			51	25	79	30	81	41	74	29	79	40	77	51	74	36	76	35	72	47	77	35	71	42	75	47	81	43	
18.			48	27	76	34	71	40	74	33	86	41	89	46	73	38	73	45	74	46	77	39	78	47	81	48	78	43	
19.			25	14	36	30	80	47	58	29	54	36	78	42	53	36	59	34	59	44	55	35	59	40	68	49	73	46	
20.			25	0	33	30	76	35	31	25	47	33	67	48	51	33	54	28	55	39	48	37	53	38	65	47	69	40	
21.			29	1	45	19	78	36	35	14	47	32	50	47	52	28	65	31	51	32	49	28	51	38	52	42	62	43	
22.			43	11	60	28	81	38	57	20	64	30	65	33	67	25	69	27	65	30	69	27	67	30	64	35	69	30	
23.			49	22	66	29	76	33	67	26	68	40	77	33	74	33	73	29	67	35	74	30	69	40	78	40	72	45	
24.			48	23	65	37	72	41	64	32	71	42	73	38	70	43	75	43	69	45	72	45	70	52	74	45	75	34	
25.			46	23	65	32	76	34	67	29	68	40	77	46	57	35	61	35	69	58	41	62	38	58	41	74	42	74	41
26.			44	30	46	28	73	32	61	33	76	35	77	45	74	45	82	52	86	66	88	51	85	70	87	45	77	40	
27.			25	15	28	25	70	27	48	25	55	27	48	32	29	39	31	39	34	37	32	56	45	51	38	56	45	51	35
28.			38	14	33	24	39	27	40	26	35	26	62	44	33	29	38	31	44	34	32	25	40	34	51	42	45	35	
29.			39	23	52	25	53	32	47	31	46	34	68	43	40	32	41	35	45	39	43	29	43	38	58	41	48	37	
30.			37	13	57	30	55	31	55	29	60	34	63	47	58	28	57	33	50	42	52	29	55	37	60	48	56	41	
31.			35	13	56	29	54	30	49	26	62	40	67	41	53	26	54	25	55	33	59	28	56	32	65	40	58	33	
Mns.			46.9	21.6	63.2	35.7	73.1	42.9	62.8	33.1	70.1	44.1	77.7	53.4	66.2	41.0	69.5	41.7	67.2	46.4	68.5	40.3	67.6	46.9	75.8	53.6	75.0	48.6	

Date.	Oklahoma.								Missouri.								Kentucky.				Tennessee.							
	Enid. §§		McAlester.		Mangum.		Muskogee.		Oklahoma.		Weatherford. §§		Woodward.		Caruthersville.		Ironton. §§		Lamar. §§		Olden.		Springfield.		Lynnville.		Jackson.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1.	95	63	92	75	96	67	91	74	93	74	96	70	97	70	89	69	88	64	86	65	84	70	85	70	83	66	86	
2.	92	65	95	74	95	69	92	73	91	73	96	63	92	59	98	74	89	63	89	72	90	70	88	70	98	65	96	
3.	76	61	94	74	98	69	91	73	91	71	93	74	90	65	94	68	89	64	88	67	86	67	85	66	96	65	96	
4.	90	60	89	67	96	65	85	63	77	65	81	63	71	52	81	70	78	58	78	60	79	57	74	57	86	67	96	
5.	80	67	92	68	94	65	82	65	89	68	93	63	88	60	85	58	83	59	75	46	75	52	57	92	60	92	60	
6.	68	53	92	72	88	66	86	58	80	64	82	62	91	62	83	61	81	57	86	61	82	52	82	57	93	57	93	
7.	73	37	87	54	81	56	67	53	64	48	70	51	70	50	81	58	57	51	59	52	78	50	54	48	82	61	82	
8.	80	37	58	52	79	48	57	50	59	44	68	41	66	35	62	43	56	49	54	49	57	48	54	48	82	61	83	
9.	92	47	68	53	84	38	65	53	68	40	78	36	75	33	58	54	58	50	62	46	59	50	56	50	69	54	69	
10.	92	62	81	44	87	38	72	45	76	47	82	38	79	45	68	37	75	5										

TABLE 3.—Maximum and minimum temperatures at selected stations, October, 1911. District No. 7—Continued.

Date.	Tennessee.				Arkansas.												Mississippi.				
	Kenton.		Memphis.		Bentonville.	Corning.	Dardanelles.	El Dorado.	Fort Smith.	Little Rock.	Pine Bluff.	Texarkana.	Wynne.	Clarksdale.	Corinth.	Greenville.					
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	
1....	90	61	87	65	86	72	.....	90	65	94	73	89	75	87	74	90	68	92	73	89	64
2....	94	74	84	70	89	72	.....	92	70	95	72	90	72	88	74	92	73	93	72	93	74
3....	94	69	91	67	86	71	.....	91	67	95	69	90	73	89	71	92	72	94	69	92	68
4....	82	66	89	65	75	59	.....	80	70	96	71	77	67	82	65	90	72	92	74	83	72
5....	83	53	81	56	82	59	.....	84	62	92	69	83	64	84	64	91	69	92	70	81	62
6....	92	62	88	51	84	53	.....	91	63	94	68	89	60	88	71	92	69	93	72	86	62
7....	82	56	90	67	53	49	.....	69	58	77	73	60	55	78	57	72	71	67	64	63	55
8....	61	53	80	63	54	49	.....	59	55	72	50	57	54	58	55	65	55	76	56	63	52
9....	64	53	79	68	61	44	.....	68	53	62	53	65	53	60	54	60	55	60	59	54	55
10....	68	56	74	61	70	43	.....	74	48	67	56	73	48	71	52	70	56	73	55	67	54
11....	83	63	75	62	80	56	.....	75	48	82	58	80	61	79	65	80	66	81	58	75	58
12....	83	60	71	55	83	62	.....	82	65	85	62	83	69	81	66	85	66	84	67	83	65
13....	77	48	72	47	79	62	.....	78	62	75	62	82	66	75	62	75	61	76	74	79	56
14....	85	51	75	51	82	61	.....	85	58	86	56	85	62	82	61	85	58	89	59	80	54
15....	89	61	81	57	82	63	.....	84	58	86	66	86	63	83	64	85	60	87	63	88	59
16....	75	63	83	57	62	51	.....	71	52	67	62	65	54	71	56	72	63	68	61	67	64
17....	67	54	63	57	68	48	.....	77	50	74	52	71	50	70	53	75	51	76	53	64	44
18....	73	43	66	54	72	44	.....	76	44	76	45	76	46	73	50	76	48	77	51	75	45
19....	77	44	70	47	62	49	.....	76	44	78	45	73	54	72	54	76	45	77	50	76	46
20....	78	50	73	50	59	47	.....	57	48	80	52	57	53	66	52	74	50	54	70	47	78
21....	57	48	77	57	47	36	.....	48	47	56	51	53	41	52	40	54	50	53	53	50	43
22....	60	36	68	51	59	30	.....	62	34	60	35	62	35	60	39	64	36	59	38	40	37
23....	67	36	64	35	67	36	.....	73	36	56	35	73	39	68	39	74	39	72	40	34	36
24....	67	33	61	38	67	43	.....	65	38	70	40	68	46	64	44	69	42	68	43	60	37
25....	74	35	66	35	70	41	.....	74	35	74	36	72	44	70	42	72	39	72	44	69	34
26....	76	39	70	39	73	42	.....	74	35	76	37	71	46	71	46	77	41	76	46	67	34
27....	64	42	70	53	50	39	.....	59	40	71	42	59	48	57	43	60	47	70	49	45	37
28....	62	32	66	45	54	37	.....	59	38	62	45	54	44	58	37	63	37	72	41	56	33
29....	67	34	66	45	60	45	.....	67	37	75	41	63	47	66	42	63	41	71	48	66	33
30....	76	47	71	45	52	38	.....	70	53	75	45	56	45	70	53	70	50	69	55	67	41
31....	66	46	65	53	54	32	.....	64	37	67	45	56	37	59	44	64	50	69	49	46	32
Mns.	75.3	50.6	74.7	53.6	68.5	49.4	.....	73.4	50.9	76.6	53.7	71.5	53.9	72.0	54.5	75.1	54.8	76.6	57.3	69.5	50.2

Date.	Mississippi.					Louisiana.															
	Kosciusko.		Natchez.		Vicksburg.	Alexandria.	Baton Rouge.	Covington.	Lafayette.	Lake Charles.	Monroe.	New Orleans.	Robeline.	Schriever.	Shreveport.						
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	
1....	95	71	92	72	89	73	93	71	91	70	92	69	90	74	93	68	94	74	93	74	
2....	95	69	93	70	91	71	93	70	95	69	93	70	91	72	94	67	96	72	96	70	
3....	95	66	93	69	90	73	93	70	94	68	93	70	91	73	93	66	94	74	95	70	
4....	96	65	93	70	92	73	94	70	95	70	94	70	92	70	95	66	99	72	96	68	
5....	96	66	94	65	91	70	93	69	92	68	93	67	90	70	93	67	92	70	96	65	
6....	96	65	93	65	90	73	93	69	94	67	93	68	96	71	92	69	95	72	95	65	
7....	92	67	94	71	90	61	93	70	93	69	94	61	92	71	95	62	92	74	90	67	
8....	78	59	88	72	73	59	74	58	88	61	90	63	83	63	96	57	82	72	77	58	
9....	68	60	66	60	63	59	65	75	64	78	65	72	64	70	59	62	60	78	67	65	
10....	73	60	82	61	76	62	77	60	84	65	85	68	78	64	78	58	85	73	70	57	
11....	81	63	85	61	84	68	83	63	82	68	85	72	77	67	79	61	83	60	88	73	
12....	87	65	85	69	84	67	83	69	80	69	84	71	83	70	84	65	82	68	85	71	
13....	80	52	80	65	75	64	72	69	87	64	88	64	78	71	80	67	85	71	87	66	
14....	88	53	85	58	84	61	85	60	86	61	88	62	90	63	88	59	83	70	87	68	
15....	88	53	85	58	84	64	85	61	91	62	91	61	85	63	88	64	87	71	96	57	
16....	82	55	72	70	74	62	70	65	71	64	77	62	75	67	70	63	80	64	81	59	
17....	74	56	72	58	72	57	54	79	59	79	63	77	55	79	54	80	54	75	66	76	
18....	77	47	78	48	74	55	77	47	80	51	80	49	80	50	82	48	80	50	74	52	
19....	76	45	75	48	77	54	79	48	82	53	81	50	84	51	83	49	81	50	76	54	
20....	80	45	79	49	76	61	79	51	80	54	81	51	81	54	85	54	83	50	84	49	
21....	82	52	80	55	73	47	77	53	85	57	80	56	83	57	84	55	85	57	81	56	
22....	61	42	46	45	60	45	63	44	65	46	69	52	63	47	85	35	68	40	59	49	
23....	73	31	72	35	70	39	72	37	70	39	73	38	69	37	71	36	79	38	74	43	
24....	72	42	75	35	72	51	75	37	76	40	78	38	70	41	78	38	78	39	72	58	
25....	75	40	78	36	77	48	77	41	81	46	81	41	80	45	82	40	74	58	73	44	
26....	78	42	79	42	78	47	78	41	79	47	78	45	80	48	78	46	83	42	73	47	
27....	70	46	80	46	75	55	79	42	76	50	80	49	79	48	79	45	76	64	78	48	
28....	72	48	78	58																	